

I. Navy ODS Advisory 96-01A

II. Subj: Ozone-Depleting Substance (ODS) Supply Support

- III. References:**
- (a) COMNAVSUPSYSCOM Washington DC R041422Z JAN 95
 - (b) COMNAVSEASYSYSCOM Washington DC R060321Z DEC 94
 - (c) Navy ODS Advisory 96-01, Ozone-Depleting Substance (ODS) Supply Support
 - (d) Navy ODS Advisory 95-01, Mission-Critical Applications of Class I Ozone-Depleting Substances
 - (e) ASN(RD&A) memorandum dated 18 AUG 93 Subj: Elimination of Use of Class I Ozone Depleting Substances (ODS) Advance Change to Navy Acquisition Procedures Supplement
 - (f) ASN(I&E) ltr dated 5 AUG 93, Subj: Department of the Navy Policy on Ozone Depleting Substances
 - (g) OPNAVINST 5090.1B, Chapter 6, Management of Ozone Depleting Substances dated 01 NOV 94
 - (h) COMNAVAIRSYSCOM Washington DC R022001Z JUN 93
 - (i) CNO ltr 5090 Ser 451I/5U597647 dated 11 SEP 95

IV. Cancellation: This advisory cancels and replaces references (a), (b), and (c).

V. Applicability: All Navy Operating Forces, New Ship Construction, and All Activities and Facilities Supporting Operational Units

VI. Background:

1. 40 CFR Part 82 prohibits the production of chlorofluorocarbon (CFC) refrigerants and ODS solvents (CFC-113, 1,1,1-Trichloroethane, and carbontetrachloride) effective 1 January 1996. 40 CFR Part 82 also prohibits the production of halons effective 1 January 1994. Due to the Navy's continued dependence on these Class I Ozone-Depleting Substances (hereafter referred to as "ODSs") for mission-critical uses, the Defense Logistics Agency (DLA) has established a mission-critical reserve (hereafter referred to as the "DoD ODS Reserve") designed to support the Navy from the time of ODS production cessation to that point in time when the last mission-critical ODS-based systems are retired or suitable alternative substances and technologies are implemented. Reference (d) provides a listing of mission-critical applications for Class I ODSs.

2. Section 326 of the 1993 Defense Authorization Act (Public Law (P.L.) 102-484) places restrictions on the award and modification of contracts that require the use of ODSs. Reference (e), which implements P.L. 102-484 in the Navy Acquisition Procedure Supplement, prohibits activities from awarding any contract that requires the use of an ODS or that can be met only through the use of an ODS unless such use has been approved by a Senior-Acquisition Official (SAO). Reference (f) requires that all Navy halon requirements for mission-critical applications after 31 DEC 93 be supplied through the DoD ODS Reserve. Reference (f) also requires that all Navy refrigerant requirements for mission-critical applications after 31 DEC 94 be supplied through the DoD ODS Reserve.

3. The DLA provides central management for procurement, receipt, storage, issue, turn-in, and reclamation of ODS products. The inventory control point for the DoD ODS Reserve is the Defense Supply Center Richmond (formerly the Defense General Supply Center (DGSC) Richmond). The co-located Defense Depot Richmond, VA (DDRV) is the primary storage site.

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B. ODS Requisitioning Procedures For Mission-Critical ODS Applications (Except For Shipboard Halon 1301 Support):

1. ODSs (both halons and CFC-based refrigerants) are requisitioned from the ODS Reserve using the National Stock Numbers (NSNs) listed in Table 1 at the end of this advisory.

2. Submit requisitions to the Navy point of entry in standard 80-Column card MILSTRIP format. The following are special MILSTRIP data elements required for requisitioning:

CC 4-6	Routing Identifier: S9G
CC 57-59	Project Code: GDB
CC 67-69	Transaction Routing: SRG
CC 70	Leave Blank
CC 71	Condition Code: A

3. To receive a shipment from the DoD ODS Reserve, the ordering activity must have prior Chief of Naval Operations (CNO) authorization. To support this process, NAVSEA, NAVAIR, MSC, and NAVSUP have identified the Unit Identification Codes (UICs) of authorized users of each ODS. Any requirement passed to the Defense Supply Center for direct issue will be screened by the Defense Supply Center against the CNO-approved list of authorized users. The Defense Supply Center will reject requisitions from non-approved activities with a rejection code of "D8" to advise the ordering activity that the requested material requires advanced authorization.

4. Supply points, such as Fleet Industrial Supply Centers (FISCs), are authorized to support mission-critical requirements by replenishing stocks from the DoD ODS Reserve. Supply points will ensure that the issue of stock originating from the DoD ODS Reserve is restricted to mission-critical users. To assist supply points in screening customer requisitions prior to issue from local stock, NAVSUP has updated the Technical Screening Expert System (TSES) to include the authorized UICs for each ODS. Supply points will reject requisitions from non-approved activities with a rejection code of "D8" to advise the ordering activity that the requested material requires advanced authorization (TSES point of contact is Ms Brenda Kish, NAVICP, (717) 790-1796, DSN 430-1796). Supply points are not authorized to deviate from the TSES Table of Authorized Users. NAVSUP will update TSES UIC data whenever CNO sends updated UIC lists to the DLA.

(a) If an ordering activity is authorized to use the DoD ODS Reserve and the supply point does not hold ODS stocks from the DoD ODS Reserve, the supply point must tell the requisitioner to order directly from the DoD ODS Reserve using the procedures outlined in this Advisory.

(b) If the requisitioner is not authorized to use the DoD ODS Reserve, the requisitioner must get a technical certification and Senior Acquisition Official (SAO) approval from its chain of command before the material can be purchased (See Section D for additional guidance on technical certifications and SAO Approvals for non-mission-critical ODS applications).

5. ODS Costs: CNO has centrally funded the Navy's portion of the DoD ODS Reserve. Therefore, material from the DoD ODS Reserve is free to authorized users.

6. Supply Automated Data Processing (ADP) Systems: Some activities have reported that they were charged when they ordered ODS from the DoD ODS Reserve. DLA and Navy stock points should check their ADP systems to ensure that they are not automatically inserting charges for DoD ODS Reserve material. The charges showing up do not appear to be a serious problem because they normally disappear during the reconciliation process but they do temporarily upset activity OPTARS. Any ODS requisition with a project code of "GDB" should be cost free.

7. Shipyards and Supervisors of Shipbuilding, Conversion, and Repair (SUPSHIPS):

(a) Shipyards and SUPSHIPS are authorized to support mission-critical shipboard air-conditioning, refrigeration, and halon equipment. To ensure all shipyard and SUPSHIP requisitions are supporting mission-critical applications, special requisition procedures will be followed. Shipyard and SUPSHIP requisitions should include the DODACC of the requisitioning activity along with the unit identification code (UIC) of the ship or submarine where the CFC or halon will be installed. Card column 45 of the requisition will be marked with a "Y" followed by the ship or submarine UIC entered into supplementary address block (card columns 46-50). Shipyards and SUPSHIPS are not authorized to use the DoD ODS Reserve for non-mission-critical applications.

(b) Shipyards and SUPSHIPS should maintain records of all mission-critical CFCs and halons requisitioned including:

- (1) The type and amount of CFC/halon requisitioned,
- (2) The UIC of the user, and
- (3) The equipment where the CFC/halon was installed.

8. The Defense Supply Center has a new assistance hotline that can be called to check stock availability or the status of requisitions. Call (804) 279-4865 or DSN 695-4865 and follow the on-line instructions.

C. Shipboard Halon 1301 Support.

1. This section provides amplifying information for support of halon 1301 system cylinders aboard ship. This guidance does not apply to boats, craft, or LCAC, but does apply to PC-1 Class. The only applicable SUBLANT/SUBPAC ship is USS FRANK CABLE (AS-40). Additionally, this guidance does not apply to old flammable liquid storage cabinets which were provided with 2-1/2 lb halon systems. These 2-1/2 lb halon systems are not required and should be removed and turned in to Defense Supply Center using the procedures outlined in Section E.

2. Reclaiming, refurbishing, and recharging of standard Navy shipboard halon 1301 cylinders is expected to be available through the DLA in the near future. In the interim, turn in leaking or otherwise unsatisfactory halon 1301 cylinders and requisition a like number of new cylinders using the NAVSEA COG stock numbers below. Do not use any other NSN to turn in shipboard halon 1301 cylinders. Mark all turn-ins condition Code F and turn in to either NSC Cheatham Annex or NSC DET Long Beach. For additional information, please contact Ms Doris Lippert, NAVICP Code 051, (717) 790-2219, DSN 430-2219.

Type of Halon 1301 Cylinder
125 lb Ansul or Wormald

NSN
2S 4210-LL-HAL-2495

95 lb Ansul or Wormald (Magnetic)	2S 4210-LL-HAL-2496
60 lb Ansul, Wormald, or Kidde (Magnetic)	2S 4210-LL-HAL-4936
15 lb Ansul, or Kidde (Magnetic)	2S 4210-LL-HAL-4934
10 lb Ansul or Kidde (Magnetic)	2S 4210-LL-HAL-4935
125 lb Kidde	2S 4210-LL-HAL-2517
95 lb Kidde (Magnetic)	2S 4210-LL-HAL-4857

3. Non-magnetic halon cylinders are not available from NAVSEA, but support is available. MCM-1 and MHC-51 class ships requiring routine support should ship cylinders to Hiller Systems Inc, 3710 Lakeside Court, Mobile, AL 36616, attention: Mr. Tom Cocke, (205) 661-1275. A requisition is not required for NAVSEA support obtained through Hiller Systems Inc.

4. Ten pound halon cylinders in FFG-8 through FFG-60 are of a non-standard type that NAVSEA does not carry in stock. However, support is also available from Hiller Systems Inc, 3710 Lakeside Court, Mobile, AL 36616, attention: Mr. Tom Cocke, (205) 661-1275.

5. When the NAVSEA supply of Kidde cylinders is exhausted, Ansul cylinders will be provided. In addition, NAVSEA does not stock any 10 lb, 15 lb, or 60 lb Kidde cylinders. No technical problem exists with interchanging Ansul and Kidde cylinders except that the old 1/4-inch hose may not reach the connection point. These hoses are still installed in Kidde systems on AO-177, AO-178, AO-179, and in miscellaneous spaces such as RAST and TACTAS in some CG-47 class ships. If the hose does not reach, it should be replaced with the new tubing assembly (NSN 1H 4210-01-336-9267) being installed in the Fleet now. When interchanging cylinders, it is critical that the 1/4-inch tubing or hose is disconnected from the valve. Valve actuators are not functionally interchangeable; Ansul or Wormald actuators will attach to, but will not actuate, Kidde valves.

6. Note that the original Australian-built Wormald International (CAGE CZ3630) 60 lb and 95 lb cylinders in FFG-8 through FFG-60 are fully interchangeable with Ansul cylinders. FFG-8 through FFG-60 should mark original Australian 60-lb and 95-lb cylinders with stock number 2S 4210-LL-HAL-7175, and "F" condition, when turning them in.

7. Decommissioning ships should continue to turn in halon cylinders to NAVSEA as described above. All turn-ins must use the NAVSEA "2S" COG stock numbers provided above.

8. Do not ship cylinders unless the 1-1/2 inch anti-recoil cap is installed at the halon outlet of the valve and a valve protection cap is installed over the entire valve. Anti-recoil caps are available from NAVSEA under stock number 2S 4210-LL-HAL-2515. Valve protection caps are available under stock number 2S 4210-LL-HAL-6242.

D. ODS Requisitioning Procedures For Non-Mission-Critical ODS Applications.

1. Technical Certification and Senior-Acquisition Official (SAO) Approval: Section 326 of the 1993 Defense Authorization Act (Public Law (P.L.) 102-484) places restrictions on the purchase of ODSs with the objective of discouraging use of ODSs and preventing unnecessary acquisition of ODS products. P.L. 102-484 and ensuing DoD and Navy guidance state that no purchase of ODSs is allowed without a Technical Certification and SAO approval.

(a) The Technical Certification certifies that a technical review has been conducted and that there are no suitable substitutes available. In many cases, the Technical Certification is made at the Systems Command level (Naval Sea Systems Command, Naval Air Systems Command, Naval Facilities Engineering Command, et cetera).

(b) The SAO approval follows the Technical Certification and is provided by a Flag Officer or member of the Senior Executive Service who has been designated by the requiring command to be the SAO for the procurement. The SAO is the person who actually authorizes the purchase. When the SAO signs the approval, the SAO commits to report the procurement to ASN(RD&A) directly, through CNO, or through the appropriate Systems Command.

2. SAO Approvals For Non-DoD ODS Reserve Customers: Customers do not need technical certifications and SAO approvals to get ODS from local, non-Reserve stock. Certification and approval are necessary only when a contract is required to purchase the material. When a supply point purchases ODS for stock, it provides the Technical Certification and SAO approval. When a FISC purchases ODS for a specific customer, the customer provides the Technical Certification and SAO Approval.

E. ODS Turn-In Procedures.

1. Navy field activities and operating units should have previously suspended the sale and transfer of excess and recovered halon and refrigerant to non-Navy activities in accordance with references (f) and (g). Excess and recovered ODS (both mission-critical and non-mission-critical) not required for local recycling efforts shall be turned in to the ODS Reserve. The effectiveness of the ODS Reserve is dependent on full compliance with this requirement.

2. No authorization/pre-notification is needed when turning in ODSs to the ODS Reserve. All types of cylinders or containers with ODSs will be accepted in the ODS Reserve to include fire extinguishers, spheres, and canisters. Halons and refrigerants can be returned in their original cylinders or in specially-designed government-recovery cylinders. The recovery cylinders are available from the Defense Supply Center using normal MILSTRIP stock ordering procedures. The government cylinders used for recovering CFC refrigerants are painted orange, and halons red usually with gray and/or white strips. Both have yellow tops and dual port or two valves, distinguishing them from the single port valve standard new product cylinders. DLA is prepared to accept all types of cylinders, including standard, system, fire extinguishers and commercial cylinders, if transferring halon or refrigerant to recovery cylinders is not practical.

3. CFC-113 and 1,1,1-Trichloroethane (Methyl Chloroform) solvents contained in their original drums or cans with unbroken seals can be returned to the ODS Reserve. Drums and cans of CFC-113 or 1,1,1-Trichloroethane solvent to be returned to the ODS Reserve should be labeled with the original NSN and marked condition code "B". The ODS Reserve will also accept CFC-113 refrigerant. If an activity has any excess CFC-113 used as a refrigerant, call (804) 279-5203 or DSN 695-5203 for specific turn-in guidance.

4. The NSNs listed in Table 2 at the end of this advisory should be used to order ODS recovery cylinders.

5. Prior to turn-in, each container of ODS should be tagged with the following information with the tag tucked beneath the cylinder protective cap or attached securely to the container:

- (a) Record the shipper's DoD Activity Address Code
- (b) Shipping activity with point of contact and phone number
- (c) Container(s) NSN (see paragraph E.6. below)
- (d) Type of ODS (e.g., Halon 1301 or CFC-12)
- (e) Quantity of containers and pounds of ODS within the shipping container
- (f) Apply a warning/hazardous label to the cylinder in compliance with Department of Transportation regulations*

* Note: If like NSN ODS cylinders, spheres, canisters, or fire extinguishers are shipped in a box, container, or palletized, apply only one tag/label to the shipment, not to each item.

6. When turning in excess or recovered halons, refrigerant, or solvents in any type of container to the ODS Reserve, use the NSNs listed in Table 3 at the end of this advisory to identify the material on the tag attached to each container.

7. Fire-suppression-system (halon) cylinders and canisters with electrical charges or initiators must be deactivated prior to shipment to the ODS Reserve. Safety caps must be used to cover exposed actuating mechanisms and discharge ports on these special cylinders. Failure to do so creates serious safety hazards during shipment and handling.

8. Monetary credit will not be given for turned in ODSs or containers. However, ownership credit will always be given to Navy for the quantity of ODSs contained in each container and for government cylinders returned to the ODS Reserve. The ODSs (once reclaimed) can be requisitioned from the ODS Reserve by service authorized activities and the containers can be reissued to the Navy as needed.

9. Empty recovery and standard government cylinders can be turned in to the ODS Reserve. There is a particular need for 1500-pound halon cylinders. If you are unsure whether the cylinder is government owned, return it anyway. Remember, once these cylinders are returned, they will remain Navy property.

10. After tagging, activities with in-house shipping capability can ship the ODS containers directly to the address in paragraph E.11. below. No advance authorization is needed. No documentation other than the tag attached to each container is required. If an activity does not have shipping capability, it should turn the ODS in to the point where excess material is normally turned in for material turned into store (MTIS) processing. The MTIS operation will then ship it to the ODS Reserve.

11. Ship excess and recovered ODS to the following address: Defense Depot Richmond VA (DDRV), SW0400, Cylinder Operations, 8000 Jefferson Davis Highway, Richmond, VA 23297-5000.

12. When no military cargo transport is available and ODS turn-in shipping costs exceed \$500, DLA can assist with payment of transportation costs if necessary. Activities that need funding assistance should contact Mr. Steve Minus, Defense Supply Center, Richmond, phone (804) 279-5203, DSN 695-5203, or facsimile (804)

279-4970, DSN 695-4970, at least five working days before the planned shipment. Be prepared to provide the following information:

- (a) Lowest cost estimate (from carrier),
- (b) NSN and quantity (see Table 3 of this advisory),
- (c) Unit Identification Code (UIC), and
- (d) Point of contact.

13. When shipping halons, refrigerants, and solvents, the following regulations should be followed as applicable:

- (a) MIL-STD-129L, Military Standard for marking for shipment storage,
- (b) DLAR 4145.25, Storage and handling of compressed gases and liquids in cylinders,
- (c) CFR 49, 173.301, Requirements for the shipment of compressed gas cylinders,
- (d) DoD regulation 4000.25-1-M, and
- (e) Applicable service regulations:
 - (1) AR-700-68
 - (2) NAVSUPINST 4440.128C
 - (3) MCO 10330.2C
 - (4) AFR 67-12

14. Aircraft Fixed-System Halon Bottles:

(a) Aircraft fixed-system halon bottles should not be sent to the ODS Reserve. NAVAIR has directed that these specialized aircraft cylinders go to Naval Aviation Depots for halon recovery and bottle reconditioning.

(b) Hydrostatic Pressure Test Requirement Policy:

(1) Reference (h) directs all user activities to stop removing halon 1301 fire extinguisher bottles from aircraft only for the purpose of satisfying the five (5) year hydrostatic pressure test requirement. Therefore, the only requirement to hydrostatically test fire extinguisher bottles is prior to refilling when five (5) years has passed since the last test.

(2) All other periodic maintenance actions on the aircraft fire extinguisher bottles shall be performed at their specified interval.

(3) Fully or partially filled bottles found during periodic inspections with (1) visible imperfections requiring the removal of the bottle or (2) suspected improper gauge operation shall be shipped to Naval Aviation Depot (NADEP) Cherry Point or NADEP North Island for halon recovery and then shipped back to the sending activity for repair.

a. NADEP Cherry Point:

Point of Contact: Floyd Stanley (919) 466-7949

Commanding Officer
Code 94104; ATTN: F. Stanley
Naval Aviation Depot
PSC Box 8021, Building 137
Cherry Point, NC 28553-0021

b. NADEP North Island:

Point of Contact: Ken Ramos (619) 545-2469

Department of Navy
Naval Aviation Depot
Customer Service, Department 930
P.O. Box 357058
San Diego, CA 92135-7058

(4) For additional information see reference (h) or contact the NAVAIR POC listed in Paragraph G.4.

F. Foreign-Military Sales (FMS):

1. Material in the ODS Reserve is not available for FMS. The transfer of ODS Reserve material to FMS customers is not authorized. Reference (i) provides further details on Navy FMS ODS support.

G. Points of Contact:

1. CNO

- (a) Catharine Cyr, CNO N451I, commercial (703) 602-5335, DSN 332-5335, facsimile (703) 602-2676, cyrcc@n4.opnav.navy.mil.

2. COMNAVSEASYS COM

- (a) David Breslin (Shipboard Refrigerants), NAVSEA 03V24, commercial (703) 602-9028 x240, DSN 332-9028 x240, facsimile (703) 602-8010, breslin_david@hq.navsea.navy.mil.
- (b) Doug Barylski (Shipboard Halons), NAVSEA 03G2, commercial (703) 602-5084 x216, DSN 332-5084 x216, facsimile (703) 602-5089, barylski_doug@hq.navsea.navy.mil.
- (c) Neil Antin (CFC-113 Solvent), NAVSEA 03Y2A, commercial (703) 602-5553x205, DSN 332-5553 x205, antin_neil@hq.navsea.navy.mil.
- (d) Deborah Verderame (Shipyards and SUPSHIPS), NAVSEA 07E2, commercial (703) 602-4060 x351, DSN 332-4060 x351, verderame_deborah_h@hq.navsea.navy.mil.

3. COMNAVSUPSYSCOM

- (a) Robert Law, NAVSUP 4241, commercial (703) 607-0312, DSN 327-0312, facsimile (703) 607-0250, robert_law@navsup.navy.mil.
- (b) Ross Thompson, NAVSUP 4241A, commercial (703) 607-0312, DSN 327-0312, facsimile (703) 607-0250, ross_thompson@navsup.navy.mil.

4. COMNAVAIRSYSCOM

- (a) Jim Homan, NAVAIR 4.3.5, commercial (703) 604-3413 x8687, DSN 664-3413 x8687, facsimile (703) 604-3539, homanjm.ntrprs@navair.navy.mil.

5. COMNAVFACENGCOM

- (a) Felix Mestey, NAVFAC 41 FM, commercial (703) 325-8539, DSN 221-8539, facsimile (703) 325-0183, fmestey@hq.navfac.navy.mil.

6. COMSC

- (a) John Austin, Military Sealift Command, commercial (202) 685-5042, john.austin@smtpgw.msc.navy.mil.

7. Defense Supply Center (DSC) Richmond, VA

- (a) Steve Minus, DSC Richmond, VA, commercial (804) 279-5203, sminus@dscr.dla.mil.

- 8. For general questions on ODSs or to receive information on alternatives to ODSs, contact the Navy CFC & Halon Clearinghouse, (703) 769-1883, navyozone@aol.com, <http://home.navisoft.com/navyozone/>.

H. Incorporation of Advisory:

- 1. The procedures and guidance outlined in this advisory will be incorporated into reference (g) and a future NAVSUP instruction.

VIII. Advisories in Effect:

<u>Advisory</u>	<u>Subject</u>	<u>Applicability</u>
95-01	Mission-Critical Applications of Class I Ozone-Depleting Substances	All Navy Operating Forces and All Activities and Facilities Supporting Operational Units
96-01	Canceled and Superseded by 96-01A	
96-01A	Ozone-Depleting Substance (ODS) Supply Support	All Navy Operating Forces, New Ship Construction, and All Activities and Facilities Supporting Operational Units
96-02	Refrigerant Leak Repair and Record Keeping	All Navy Activities and Facilities Owning Or Operating Air-Conditioning and Refrigeration (AC&R) Units Greater than 50 lbs

Table 1: National Stock Numbers (NSNs) For Requisitioning ODSs From the ODS Reserve

<u>Commodity</u>	<u>NSN</u>	<u>Cylinder Weight or Container Size</u>
CFC-11	6830-01-355-9749	59 lbs
	6830-01-355-9750	171 lbs
	6830-01-355-9753	1400 lbs
	6830-00-079-4694	100 lbs (Drum)
	6830-00-281-3036	200 lbs (Drum)
	6830-00-899-9625	650 lbs (Drum)
CFC-12	6830-00-264-5913	45 lbs
	6830-00-292-0133	145 lbs
	6830-01-355-4011	1190 lbs
CFC-113	6850-01-426-4813	1-Gallon Can (Type I)
	6850-00-984-5853	5-Gallon Can (Type I)
	6850-00-983-0282	55-Gallon Drum (Type I)
CFC-114	6830-00-290-4379	57 lbs
	6830-00-088-3385 ¹	150 lbs
	6830-00-782-6232	165 lbs
	6830-01-356-1201	1360 lbs
R-500	6830-01-357-7648	43 lbs
	6830-01-357-7646	127 lbs
	6830-01-357-9135	1045 lbs
R-502	6830-00-138-2482	128 lbs
	6830-01-357-6903	1050 lbs
Halon-1211	6830-00-285-5887	200 lbs
	6830-01-219-8529	1500 lbs
Halon-1301 ²	6830-00-543-6623	150 lbs
	6830-01-356-9751	1240 lbs

¹ 10-inch-diameter cylinder for use by ships with 10-inch cylinder racks.

² Bulk gas only. Not for shipboard use except for charging of aircraft system cylinders. See section C for shipboard system cylinder procedures.

Table 2: NSNs For Ordering ODS Recovery Cylinders

<u>Commodity</u>	<u>Cylinder NSN</u>	<u>Cylinder Water Weight</u>
CFC-11	8120-01-356-5960	42 lbs
	8120-01-356-9756	122 lbs
	8120-01-355-9763	1000 lbs
CFC-12	8120-01-355-4017	42 lbs
	8120-01-355-4018	122 lbs
	8120-01-355-4019	1000 lbs
CFC-114	8120-01-356-1245	42 lbs
	8120-01-356-1246	122 lbs
	8120-01-356-1247	1000 lbs
R-500	8120-01-357-6774	42 lbs
	8120-01-357-7656	122 lbs
	8120-01-357-7657	1000 lbs
R-502	8120-01-357-6770	42 lbs
	8120-01-357-6771	122 lbs
	8120-01-357-6769	1000 lbs
Halon-1202	8120-01-356-1781	122 lbs
Halon-1211	8120-01-356-1248	122 lbs
	8120-01-356-1249	1000 lbs
Halon-1301	8120-01-371-0533 ¹	117 lbs

¹ Denotes a high pressure cylinder of 600 PSI plus.

Table 3: NSNs For Labeling Excess Or Recovered Halons, Refrigerants, Or Solvents In Any Type Of Cylinder Or Container To Be Turned In To The ODS Reserve

<u>Commodity</u>	<u>Container NSN</u>	<u>Cylinder Water Weight or Container Size</u>
CFC-11	6830-01-355-9754	42 lbs
	6830-01-355-9756	122 lbs
	6830-01-355-9758	1000 lbs
CFC-12	6830-01-355-4013	42 lbs
	6830-01-355-6648	122 lbs
	6830-01-355-4015	1000 lbs
CFC-113	6850-01-424-8532	6 Ounces
	6850-01-424-8533	1 Pint
	6850-01-424-8540	1 Quart
	6850-01-424-8531	1 Gallon
	6850-01-424-8534	5 Gallons (60 lbs)
	6850-01-424-8535	100 lbs
	8850-01-424-8536	200 lbs
CFC-114	6850-01-424-8537	55 Gallons (Drum)
	6830-01-356-1203	42 lbs
	6830-01-356-1205	122 lbs
R-500	6830-01-356-1207	1000 lbs
	6830-01-357-7650	42 lbs
	6830-01-358-5123	122 lbs
R-502	6830-01-357-7654	1000 lbs
	6830-01-357-6726	42 lbs
	6830-01-357-6727	122 lbs
Halon-1202	6830-01-357-6905	1000 lbs
	6830-01-356-1780	122 lbs
Halon-1211	6830-01-376-8013	1-5 lbs
	6830-01-376-8014	6-10 lbs
	6830-01-376-8015	11-20 lbs
	6830-01-376-8016	21-60 lbs
	6830-01-376-8017	61-125 lbs
	6830-01-356-1209	126-200 lbs
	6830-01-376-8018	201-340 lbs
	6830-01-356-1211	341-1500 lbs

Table 3: NSNs For Labeling Excess Or Recovered Halons, Refrigerants, Or Solvents In Any Type Of Cylinder Or Container To Be Turned In To The ODS Reserve (Continued)

<u>Commodity</u>	<u>Container NSN</u>	<u>Cylinder Water Weight or Container Size</u>
Halon-1301	6830-01-376-8394	1-5 lbs
	6830-01-376-8395	6-10 lbs
	6830-01-376-8396	11-20 lbs
	6830-01-376-8397	21-70 lbs
	6830-01-376-8398	71-100 lbs
	6830-01-371-0501	101-117 lbs
	6830-01-376-8399	118-125 lbs
	6830-01-356-9752	126-150 lbs
	6830-01-376-8400	151-200 lbs
	6830-01-376-8401	201-260 lbs
	6830-01-376-8402	261-350 lbs
	6830-01-376-8403	351-530 lbs
	6830-01-376-8404	531-600 lbs
	6830-01-356-5958	601-1240 lbs
1,1,1-Trichloroethane (Methyl Chloroform)		
	6810-01-424-8538	6 Ounces
	6810-01-424-9662	1 Pint
	6810-01-424-9665	1 Quart
	6810-01-424-8539	1 Gallon
	6810-01-424-9674	5 Gallons
	6810-01-424-9673	55 Gallons (Drum)